-		11341		To Tares	The second secon						ra wia	er totale		
Work Orde August 4, 2009							<u>.                                    </u>	<b></b>	anto-antoniani i so con tale i so				Page	1
Revision ID: Item Name:	D3041-3 G Clamp 8/07/09 8/21/09	Start Qty: 20.00 Req'd Qty: 20.00	, plit (3)	Accept	Cus	t Item ID:				Setup	Start		11 11 11 11 11 11 11 11 11 11 11 11 11	
Approvals:	Process Pla	n:	Date:	Tooling:		Date:				Run	Start			
Approvais.			·			Date:					Stop			
Sequence ID/ Work Center II	)	Operation Description	<u> </u>	Set Up/ Run Hour			Oraw Rev.	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	
Draw Nbr	Rev	ision Nbr												
D3041	Rev	С		·										
Bandsaw Jeaspa Bandsaw		BAND SAW  Memo Cut D2423	Extrusion: 1.250" Long	0.00 0.00 1L 09	0 <del>3/</del> 04				37		,			
110 HAAS I		HAAS CNC VERTICA  Memo		0.00					30		7			(f
HAAS CNC vertica	l machine #1	Check for c and Dwg D D3041-3	racks while loading into 3041⊓Tumble and Deb	o the machine∏Machine urr rough edges after tui	as per Folio FA1: mbling⊡Identify a		09/08	65						
120		QC2- Inspect parts off r	nachine FAI/FAIB	0.00		,			30		<b>W</b>			
QC Quality Control		Memo		0.00	AC	>09/08	65			<b>!</b>	<b>y</b>			•

### **Dart Aerospace Ltd**

W/O:		WORK ORDER CH	ANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						-	

Part No: D 3041-3 PAR #: Fault Category: Hachined facts NCR: Yes No DQA: Date: 05.05.10

Resolution: Scupp Disposition: Scupp QA: N/C Closed: Date: 05.05.10

NCR: 5	1114	WC	ORK OR	DER NON-CONFORMANCE	(NCR)				
DATE	OTED	Description of NC		Corrective Action Section B		Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector	
0708.06	10	on the by causing the hole to be crowded. As 30 ther parts were machined incorrectly. I incorrect origins i		Scrap i clastrap Oty 7: Replace.	07/08/06	anl 09/08/07			
010000		I incorrect correction (went negative	SAMS	Seed bedirech			sunz '	10908.06	
		off set instead on a positive off set) B R.C.: A - Process - To much tool feed.	1						
		R.C. A - Process - To much tool feed. B-openaturerver.	Sime			·			

Page 2

August 4, 2009 11:04:35 AM

Item ID:

**Revision ID:** 

D3041-3

 $\mathbf{C}$ 

Clamp

Item Name:

8/07/09 Start Date: Required Date: 8/21/09

**Start Oty: 20.00** 

Rea'd Otv: 20.00

Accept



Setup Start



Stop

Cust Item ID:

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Date: Tooling:

SPC (Y/N):

Date: Date:

Draw

Rev.

Plan

Code

Run Start

Insp.

Stamp

Stop

Reject

Number

Sequence ID/ Work Center ID

130

**Ouality Control** 

Operation Description

OC8- Inspect parts - second check

Memo

Memo

Set Up/ Run Hours

0.00

0.00

and 09/08/07

Draw

Number

Accept

Otv

Reject

Oty

140

150

HandFinish

Hand Finishing

Chemical Conversion Coat per OSI005 4.1

0.00

0.00

-2 H 09-08-10 830

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00

1112260

Memo

0.00

Powdercoat Powder Coating

Mask inside of 0.8120" diameter hole□START TIME: 1'45 MOVEN TEMPERATURE: 2'. (5pm) OFINISH
TIME: 320° [

09-08-10



## Dart Aerospace Ltd

Dail Ac	ospace	ELLU								
W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	<u> </u> 							i		
		·	•			į			•	
									7-0-0	
Part No	:	PAR #:	Fault Cate	gory:	NCF	R: Yes N	lo DQA:		Date:	:
	R	esolution:	Disposition	n:	QA:	N/C Clo	sed:		Date:	
NCR:		-	WORK ORD	ER NON-CONFORM	IANCE	(NCR)			<b></b>	
DATE	STEP	Description of NC			ction B		Verifica	ition	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section		Chief Eng	QC Inspector
		'								

War	·k O	rder	ID	51	11	4
VV () [	ж.,	ruer		.71		-



Page 3

August 4, 2009 11:04:35 AM

Item ID:

D3041-3

C

Clamp

**Revision ID:** Item Name:

**Start Date:** 

8/07/09

**Start Qty: 20.00** 

Required Date: 8/21/09

Req'd Qty: 20.00



Accept

Setup Start



Stop

Reference:

Approvals:

Process Plan:

**Tooling:** Date:

SPC (Y/N):

0.00

Date:

**Cust Item ID:** 

**Customer:** 

Draw

Run

Start

Stop



Sequence ID/ Work Center ID

160

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

QC: Date:

Set Up/ **Run Hours** 

Draw Number Rev.

Date:

Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

170

Small Fab

Small Fab

Small Fab

Memo

Memo

0.00

0.00

1- Press D2611 bearing into lug as per Dwg D3041 🗆 2- Stake bearing into place

as per Dwg D3041 \(\mathread{\pi}\)3-Touch up stake marks with white emeron paint \*\*PLEASE SEE JASON BEFORE PRESSING BEARINGS FOR

180

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Dart	<b>Aeros</b>	pace	Ltd
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Duit Ac	ospace	Ltd							•
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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			· · · · · · · · · · · · · · · · · · ·						
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
	Re	solution:	Disposition	:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	Sect	ion C	Chief Eng	QC Inspector
- ·									
				•					
									}

#### Work Order ID 51114

Page 4

August 4, 2009 11:04:35 AM

Item ID:

D3041-3

C

**Revision ID:** Item Name:

Clamp

**Start Date:** 8/07/09 Required Date: 8/21/09 **Start Qty: 20.00** 

Req'd Qty: 20.00

Accept



Setup Start

Stop



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Operation

Description

Tooling: Date: Date:\_

SPC (Y/N):

Date:

Draw

Date:

Draw

Start

Reject

Run

Accept



Stop

Reject Insp.

Sequence ID/ Work Center ID

190

Packaging Packaging

Memo

Set Up/ **Run Hours** 

0.00

0.00

Rev. Code Qty Qty Number

Plan

Number

Stamp

200

Quality Control

QC21- Final Inspection - Work Order Release

Identify as per dwg & Stock Location: 463

Memo

0.00

0.00

09/09/08951 MF 09-09-08

## **Dart Aerospace Ltd**

W/O:			WC	ORK ORDER CHANG	GES			· · · · · · · · ·		
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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					ļ					
				<u> </u>			9			
					:					
		•		·						
Part No	•	PAR #:	Fault Cate	gory:	NCI	R: Yes N	lo <b>DQ</b>	A:	Date:	
		esolution:								
NCR:			WORK ORDI	ER NON-CONFORM	ANCE	(NCR)			,	
DATE	STEP	Description of NC	<u> </u>		ction B		Verific	ation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti		Chief Eng	QC Inspector
						·				
					· ·					
				•						

August 4, 2009 11:04:35 AM

Work Order ID: 51114

Parent Item:

Comments:

D3041-3RevC

Parent Item Name: Clamp



**Start Date: 8/07/09** 

Required Date: 8/21/09

**Start Qty: 20.00** 

Required Qty: 20.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued		Date Issued	Status
D2611RevC	991k;	Manufactured	No			100	Each	37.0000	20.0000		,		
· · · · · · · · · · · · · · · · · · ·	n. Mar H. Mar H.			Warehou Loca	_	Loc	Qty	Loc Code					
				Main Wa	rehouse 46841		37 B 5	1197	27	<del>T</del>	- &	09/03	(31
D2423RevB1		Manufactured	No		50521	170	29 ) f	760.9447	2.1937	6	_ &	, 200	

Lug Extrusion

Warehouse Loc Qty Location Main Warehouse ST 760.94468 43722 213.01468 44529 22.39 45800 525.54

Loc Code

3,854(F) V

Dart	Aer	ost	ace	Ltd
------	-----	-----	-----	-----

W/O:			V	VORK ORDER CHANGE	S				
DATE	STEP	PROC	CEDURE CH	IANGE	Ву	Date	Qty   Cr	oproval nief Eng / rod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Ca	tegory:	NCR: Yes	No <b>DQA</b> :	·	Date: _	
	R	esolution:	_ Disposit	ion:	QA: N/C C	losed:		Date: _	
NCR:		W	ORK OR	DER NON-CONFORMA	NCE (NC	₹)			
DATE	STEP	Description of NC		Corrective Action Section		Verifica	ition Ar	proval	Approval
	J.L.	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign a	& Section		hief Eng	QC Inspector
					·				
		• • •							
10 <b>-2</b> 0									
		·						,	
				·					
									_

DART AEROSPACE LTD	Work Order: 51114	
Description: Camp	Part Number: D3041-3	
Inspection Dwg: \( \)304\( \) Rev: \( \)	Page 1 o	f 1

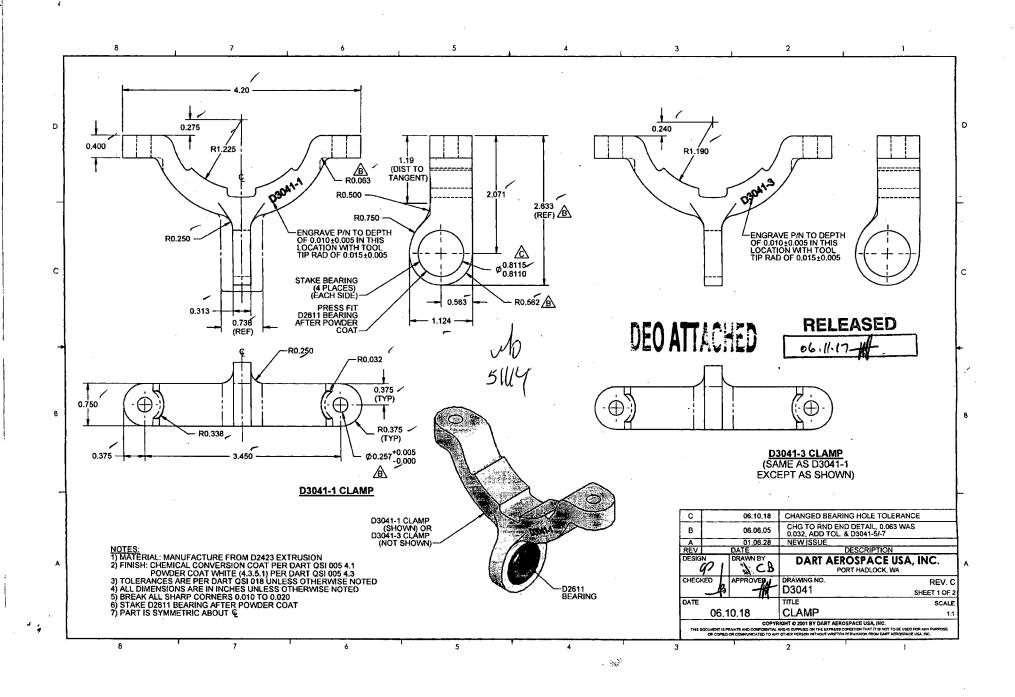
# FIRST ARTICLE INSPECTION CHECKLIST

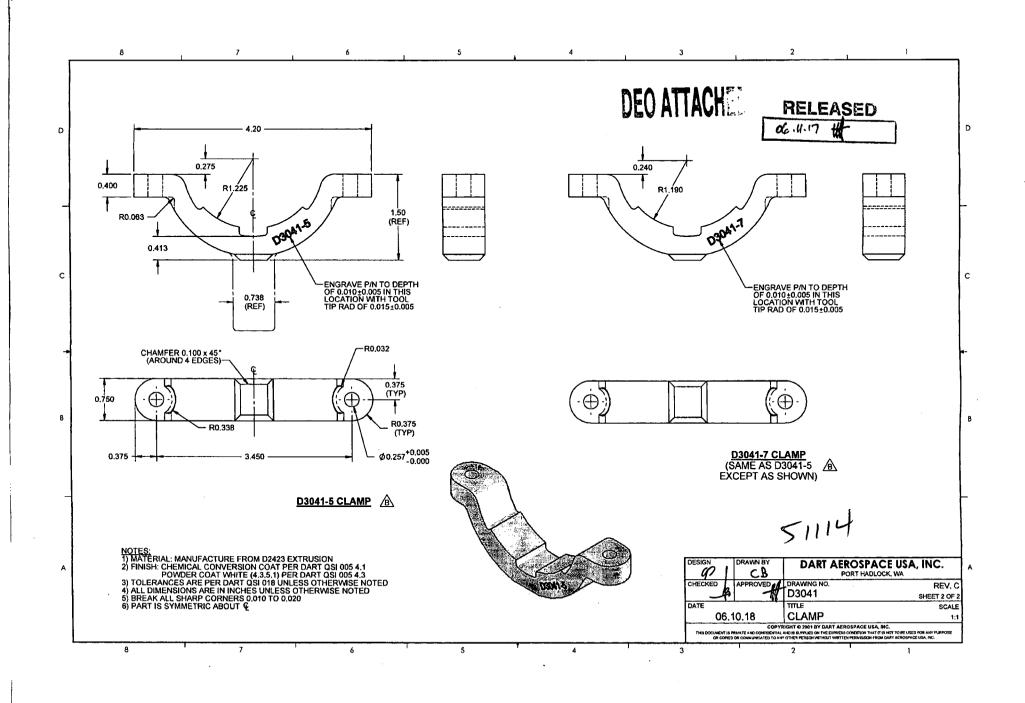
X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
H.20	÷.030	4.205				
.400	÷.010	. 395		ę.		
r 1,190	+ .010	1190				
1,250	=-010	-250	1			- Manual - M
.313	1.010	-313	/			
1-063	- ·010	-063			·	
750	010	.756				
.375	010	.375				
3.450	+-010	3.450				
8.257	260-1	.258				
1.3-15	±.0(0	375				
.375	+ -010	-376	/	<b> </b>		
1.124	±-010 ±-010	1.124				
-563 X 811_	+.005/,000	1,78	./			
2.633	± .0(0	2-633				
2.071	±.010	2-072				
\(\frac{\pi}{2}\).		19-010				

Measured by:	JL .	Audited by:	ont		Prototype Approval:	N/A
Date:	09/08/04	Date:	09/08/0	7	Date:	N/A

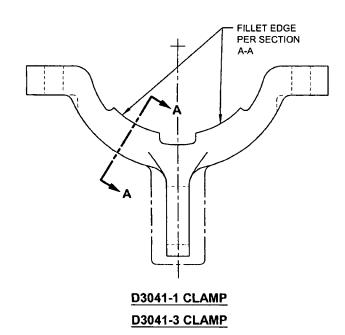
Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JLM	

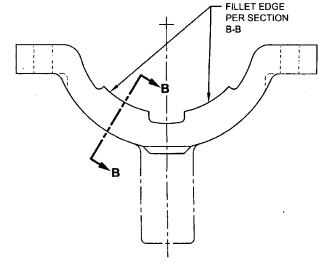




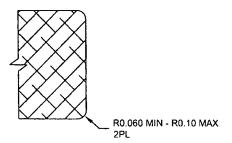
DRAWING NO.		TITLE		- غيد ۽	REV. C	DART A	AEROS	PACE LTD	D.E	.O. NO.	, . , , , , , , , , , , , , , , , , , ,	SH	EET NO.	. £		SCALE
D3041		CLAMP	**	13:14	+	ENGIN	EERING	G-ORDER	D3	041-C-1		SHE	ET 1 OF	a :	٠.	NTS
DRAWN	1)5		CHECKED	T.		MFG. APP	PC/4/		APPRO	VED /	12	DE APPF	· -#	•		
DATE 0	9.03.0	4	DATE	09.03	5.12	DATE	FA.	03.12	DATE	09.	33-13	DATE	09.0	3.13		1.

ADD FILLETS TO -1/-3/-5/-7 PER SECTIONS A-A AND B-B TO PREVENT CHAFING OF RUBBER CUSHIONS AS SHOWN:





D3041-5 CLAMP D3041-7 CLAMP



RELEASED

SECTION A-A

**SECTION B-B** 

SCALE 2X

SEE PAR 122 FOR FURTHER DETAILS

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